

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2004/001338

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F42B 3/00, F16B 31/00 // E05B 51/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E05B, F16B, F42B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2912901 A (W.J. KROEGER ET AL), 17 November 1959 (17.11.1959), column 1, line 18 - line 28  --	1-7
A	DE 2514976 A (BAYERN-CHEMIE GESELLSCHAFT FÜR FLUGCHEMISCHE ANTRIEBE MBH), 14 October 1976 (14.10.1976), page 5 - page 7, figures 2,5  --	1-7
A	US 5727288 A (SUNG-KWANG BYON), 17 March 1998 (17.03.1998), column 4, line 41 - line 63, figure 3  -----	1-7

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 7 December 2004	Date of mailing of the international search report 22-12-2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Bengt Christensson/MP Telephone No. +46 8 782 25 00

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US 2912901 A 17/11/1959 NONE

DE 2514976 A 14/10/1976 NONE

US	5727288	A	17/03/1998	CN	1134373 A	30/10/1996
				JP	8268059 A	15/10/1996
				KR	116754 Y	01/06/1998
				KR	127541 B	26/12/1997